

United States of America
FEDERAL COMMUNICATIONS COMMISSION
EXPERIMENTAL
RADIO STATION CONSTRUCTION PERMIT
AND LICENSE

EXPERIMENTAL

(Nature of Service)

XR FX MO

(Class of Station)

WJ2XEA

(Call Sign)

0775-EX-CN-2017

(File Number)

NAME Carnegie Mellon University

Subject to the provisions of the Communications Act of 1934, subsequent acts, and treaties, and all regulations heretofore or hereafter made by this Commission, and further subject to the conditions and requirements set forth in this license, the licensee hereof is hereby authorized to use and operate the radio transmitting facilities hereinafter described for radio communications in accordance with the program of experimentation described by the licensee in its application for license.

Operation: In accordance with Sec. 5.3(j) of the Commission's Rules

Station Locations

- (1) Pittsburgh (ALLEGHENY), PA - NL 40-26-36; WL 79-56-36
- (2) Mountain View (SANTA CLARA), CA - NL 37-24-36; WL 122-03-30
- (3) MOBILE: Pittsburgh, PA. Carnegie Mellon University Main Campus & Vicinity, within 20 km, centered around NL 40-26-36; WL 79-56-36
- (4) MOBILE: Mountain View, CA. Moffett Field & Vicinity, within 65 km, centered around NL 37-24-36; WL 122-03-30
- (5) Camp Roberts, CA - NL 35-47-28; WL 120-44-36
- (6) MOBILE: Camp Roberts National Guard Base and Vicinity, within 10 km, centered around NL 35-47-28; WL 120-44-36

Frequency Information

Pittsburgh (ALLEGHENY), PA - NL 40-26-36; WL 79-56-36

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
430-440 MHz	FX	125KQ1D 500KQ1D	2 W (ERP)	0.0001 %
902-928 MHz	FX	125KQ1D 500KQ1D	2 W (ERP)	0.0001 %

This authorization effective November 13, 2017 and
will expire 3:00 A.M. EST November 01, 2019

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Mountain View (SANTA CLARA), CA - NL 37-24-36; WL 122-03-30

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
430-440 MHz	FX	125KQ1D 500KQ1D	2 W (ERP)	0.0001 %
902-928 MHz	FX	125KQ1D 500KQ1D	2 W (ERP)	

MOBILE: Pittsburgh, PA. Carnegie Mellon University Main Campus & Vicinity, within 20 km, centered around NL 40-26-36; WL 79-56-36

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
430-440 MHz	MO	500KQ1D 125KQ1D	2 W (ERP)	0.001 %
902-928 MHz	MO	125KQ1D 500KQ1D	2 W (ERP)	0.001 %

MOBILE: Mountain View, CA. Moffett Field & Vicinity, within 65 km, centered around NL 37-24-36; WL 122-03-30

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
430-440 MHz	MO	125KQ1D 500KQ1D	2 W (ERP)	0.001 %
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Frequency Information

Camp Roberts, CA - NL 35-47-28; WL 120-44-36

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
430-440 MHz	FX	125KQ1D 500KQ1D	2 W (ERP)	0.0001 %
902-928 MHz	FX	500KQ1D 125KQ1D	2 W (ERP)	0.0001 %

MOBILE: Camp Roberts National Guard Base and Vicinity, within 10 km, centered around NL 35-47-28; WL 120-44-36

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
430-440 MHz	MO	125KQ1D 500KQ1D	2 W (ERP)	0.0001 %
902-928 MHz	MO	125KQ1D 500KQ1D	2 W (ERP)	0.0001 %

Special Conditions:

- (1) Operation is subject to prior coordination with the local Society of Broadcast Engineers, Inc. (SBE) frequency coordinator. Consult the list at http://freq.sbe.org/pdf_files/coordinators.pdf to find the appropriate coordinator.
- (2) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (3) Licensee should be aware that other stations may be licensed on these frequencies and if any interference occurs, the licensee of this authorization will be subject to immediate shut down.
- (4) All of the experimental devices must be retrieved by Carnegie Mellon University upon completion of this experiment.
- (5) Operation is subject to consent of Location & Monitoring Service licensees (902-928 MHz) within 50 miles of the test area.